

## CLAIMS:

1. A camera module comprising a holder having a first end arranged for receiving incident light, a second end arranged for placing an image pickup module for picking up images, and a lens having an optical axis arranged for forming an image on the image pickup module, characterized in that the holder comprises aligning means near the  
5 second thereof for aligning the image pickup module in a plane perpendicular to the optical axis of the lens.
2. A camera module as claimed in claim 1, characterized in that the aligning means provide at least one recess near the second end, which recess extends parallel to a  
10 plane perpendicular to the optical axis and which is arranged for receiving the image pickup module substantially without play in a direction perpendicular to the optical axis.
3. A camera module as claimed in claim 2, characterized in that the recess has an opening via which the image pickup module can be placed in the recess from a direction  
15 parallel to the optical axis.
4. A camera module as claimed in claim 2, characterized in that the recess has a lateral opening via which the image pickup module can be placed in the recess from a direction parallel to the optical axis.  
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5. A camera module as claimed in claim 3 or 4, characterized in that the side wall is substantially rectangular in shape near the recess, seen in sectional view in a direction perpendicular to the optical axis.
- 25 6. A camera module as claimed in claim 3, 4 or 5, characterized in that the image pickup module has a main surface oriented perpendicular to the optical axis and at least one lateral surface oriented substantially perpendicular to said main surface, the recess being configured to abut said lateral surface at least in part, substantially without play, after the image pickup module has been placed in the holder.

7. A camera module as claimed in claim 3, 4, 5 or 6, characterized in that said main surface comprises an edge on a side facing towards the lens, the recess being configured to abut said edge at least in part, substantially without play, after the image pickup module  
5 has been placed in the holder near said edge.

8. A camera module as claimed in claim 3, 4, 5, 6 or 7, characterized in that the image pickup module has a second main surface comprising a second edge on a side facing away from the lens, the recess being configured to abut said second edge at least in part,  
10 substantially without play, after the image pickup module has been placed in the holder near said second edge.

9. A camera system comprising a camera module, characterized in that said camera module is the camera module as claimed in any one of the claims 1, 2, 3, 4, 5 or 6.  
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10. A method of manufacturing a camera module comprising a holder having a first end arranged for receiving incident light, a second end arranged for placing an image pickup module for picking up images, and a lens having an optical axis arranged for forming an image on the image pickup module, characterized in that the method comprises a step in  
20 which the image pickup module is aligned with respect to the optical means in a direction perpendicular to the optical axis, using aligning means disposed near said second end.